# City of Toronto Adaptive Traffic Signal Control System Project

#### **CLIENT**

City of Toronto

LOCATION

Toronto, Ontario

## **PROJECT DESCRIPTION**

As a pre-qualified contactor with the City of Toronto, Black & McDonald (B&M) was awarded the contract for the design, supply, delivery, implementation and support for an adaptive traffic signal control system project using InSync technology. InSync uses a thermal camera detection system that measures queue lengths on the approach to intersections and relays the data to the signal. InSync's technology has been reducing traffic flow issues and improving safety at more than 2,800 intersections across North America—more than any other traffic adaptive system.

This pilot project took place along Yonge Street at 10 different locations as part of the city's initiative to modernize its traffic signal infrastructure.

### **B&M SCOPE OF WORK**

B&M was contracted to complete the following electrical and civil works:

- Supply and install auxiliary cabinet
- Supply and install thermal camera
- Proof-of-performance test
- System configuration on detector mode
- System performance review
- System configuration on adaptive mode
- System acceptance test
- Work detail plan and quality assurance
- System design and pre-installation test
- Supply and install power cable
- Supply and install communication cable
- Supply and install InSync processor, equipment panel, modem and din relay

#### **BENEFITS TO CLIENT OR PROBLEM SOLVED**

When the City of Toronto needed a new traffic light system to improve traffic flow, it called on our expertises. B&M was the ideal construction partner with the electricians to get the project up and running with time to spare.